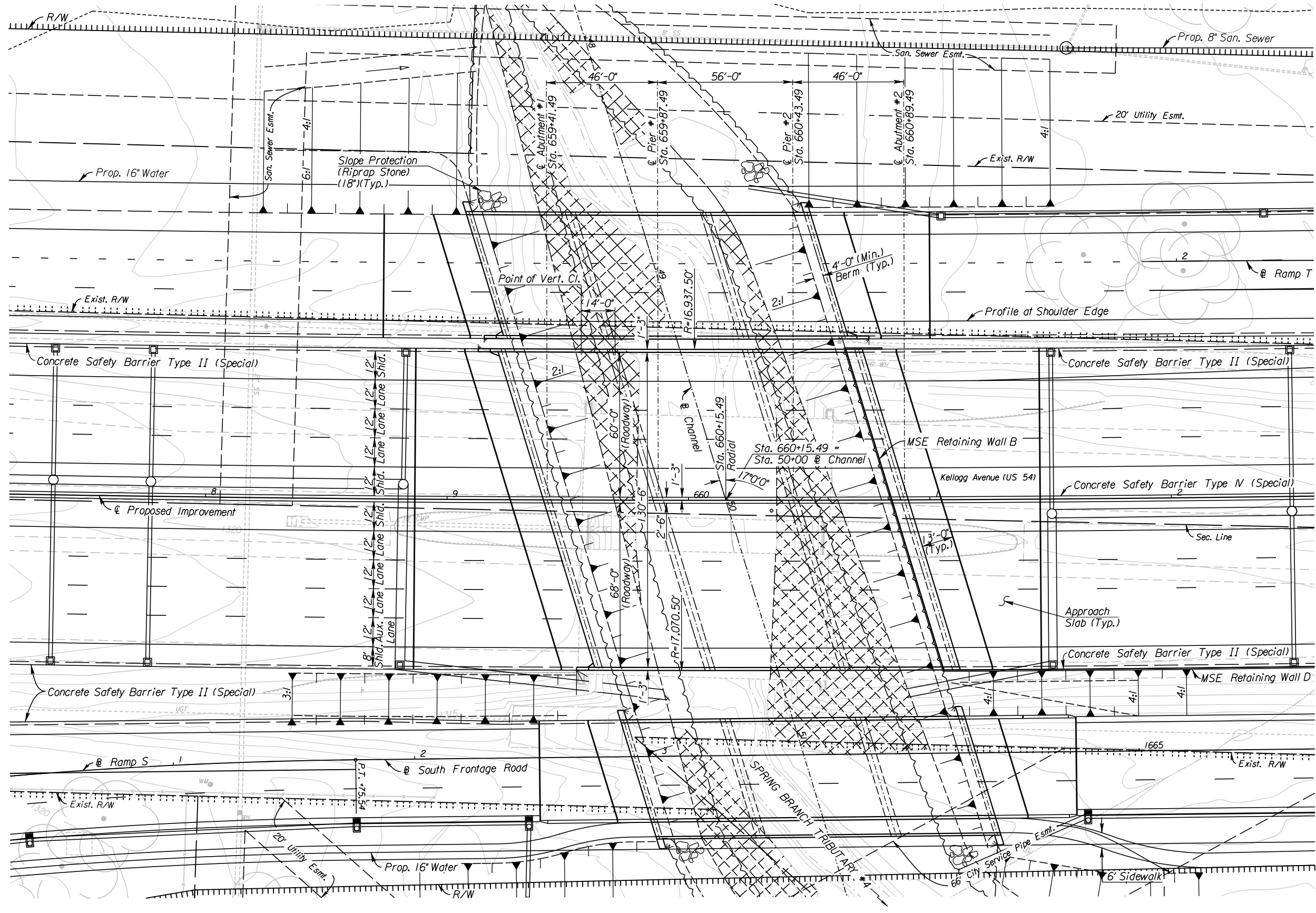
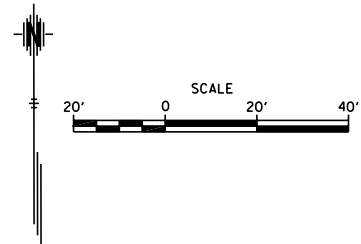


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472 84614	.	184	534



**DRAINAGE DATA**

* Drainage Area	3.3 Sq. Mi.
Design Frequency	100 Years
** Design Discharge ( $Q_{100}$ )	3,813 cfs
Design High Water Elevation	1316.26 Ft.
Design Backwater	N/A Ft.
Design Backwater Elevation	1317.71 Ft.
Overtopping Elevation (Sta. N/A)	N/A Ft.
Overtopping Discharge	N/A cfs
Overtopping Frequency	>500 Years
** Discharge at $Q_{100}$	3,813 cfs
Backwater at $Q_{100}$	N/A Ft.
Backwater Elevation at $Q_{100}$	1317.71 Ft.
Historic High Water Elevation	N/A Ft.
Ordinary High Water Elevation	1309.0 Ft.
Total Waterway Provided	803 Sq. Ft.
Design Waterway Provided	219 Sq. Ft.
100 Yr. Floodplain Elev. (FEMA)	
Average Velocity at $Q_{des}$	3.4 fps
Average Velocity at $Q_{100}$	3.4 fps
* Drainage Area for Spring Branch Tributary #4	
** Discharge is controlled and published by FEMA	

PROPOSED IMPROVEMENT CURVE DATA  
 P.I. Sta. 660+34.46 Bk. = 660+34.34 Ahd.  
 $\Delta = 02^\circ 34' 29" (Lt.)$   $L = 763.93'$   
 $R = 17000.00'$   $E = 4.29'$   
 $T = 382.03'$

**PLAN**

1/16/2011 2:21/2011 T:\357666\Cadd\Sheets\Structures\SBT4\EK25BMLCLY01.dgn SURV. - PLOT CADD DES. - DR. - TR. - APP. CKD.